

United States

OMB Control No. 2070-0020 Expires on 11/30/2016

ENVIRONMENTAL PROTECTION AGENCY

Washington, DC 20460

Notice of Arrival of Pesticides and Devices

Send Completed Form to Appropriate Regional Office Listed in the Instructions for this Form.

Note: Read Instructions before completing form.

Part 1: To Be Completed by Importer of record or Licensed Customs Broker							
	Par	t 1: To Be C	ompleted by Importe	er of record or Licensed Customs Broker			
1. Name and Complete Address of Licenced Customs Broker				2. Name and Complete Address of Importer of Record			
Global Container Line Attn: Mary Compton 1338 West 228th Street Suite A Torrance, CA 90501 T: 425-207-1496				Nufarm Americas Inc. 11901 South Austin Avenue Alsip, IL 60803 T: 708-377-1330			
🗓 Return Form to this Address				Return to this Address			
3. Name and Complete Address of Shipper				4. EPA Registration Number 5. EPA Producer Establishment N			
Jiangsu Institute of Eco 95 Huanyuan N. Road	omones Co.	, Ltd.		55146-134	82994-CHN-001		
Economic Developmen	nt Zone			6. Brand Name of Product			
Jintan Jiangsu China213200				Manor Selective Herbicide			
7. Active Ingredients a	nd Percent	age of Each					
Metsulfuron-methyl 60% (see full description in remarks)					×		
8. Unit Size	9. Quanti	ty	10. Total Net Weight	11. Country of Origin			
40 x 2 Oz Bottles 400 cases 896 Kg			896 Kg	China			
12. Port of Entry				13. Name and Complete Address of Carrier			
Tacoma, WA				Prague Express BBC Freight line Inc.			
14. Entry Number		15. Anticip	pated Entry Date	16720 Chestnut St. Suite A City of Industry, CA 91748 Tel: 800-719-0737			
H41-2563099-0		June 7, 20	14				
17. Location of Goods for Examination after Importation				16. I assert that information con			
Port of Tacoma				4, 5, 6 and 7 are not entitled to C			
18. [Optional] For pesticides without an EPA Registration No., select a processing of the Notice of Arrival.)				ll that apply: (The following inform	nation may expedite the		
18a. A pesticide transferred between registered establishments o				perated by the same producer. Do	omestic Producer Establishment		
Number:					*****		
18b. A pesticide tran	sferred be	tween regis	tered establishments n	not operated by the same producer. Domestic Producer Establish-			
ment Number:		EP	A Registration Number	of Product being Formulated, if a	pplicable:		
18c. A pesticide distr	ributed und	der an Expe	rimental Use Permit. Ex	xperimental Use Permit Number:			

EPA Registration Number: 55146-134	Product Name: Manor Selective Herb	ct Name: Manor Selective Herbicide					
Total Net Weight: 896 Kg	Entry Number: H41-2563099-0						
18d. A Pesticide distributed for research and development purposes without an Experimental Use Permit.							
☐ 18e. A pesticide transferred solely for export. Dor			t.				
Description of the second seco							
18f. A pesticide distributed under an emergency e		mber:					
18g. A pesticide transferred for the purposes of dis							
18h. Other. Provide an explanation including the in States in Block 19 Remarks.	ntended use and a description of why	the product is be	ing imp	orted into the United			
19. Remarks. Provide additional information here. It is the NOA.	recommended that a copy of the labe	el affixed to the p	roduct b	oe submitted with			
Motoulfuron mothul, Madad 2 IIII/4							
Metsulfuron-methyl: Methyl 2-[[[[(4-methoxy-6-methy	'l-1,3,5- triazin-2-yl) amino]carbonyl]ar	nino]sulfonyl]be	nzoate 60)%			
	Certification						
I certify that the statements I made on this form and knowingly false or misleading statement m	I all attachments thereto are true, accu	rate and comple nent or both und	te. I ackr Ier applic	nowledge that any cable law.			
20. Printed Name of Importer of							
Record or Licensed Customs Broker Vic Sweetwood		Telephone No.:	708-75	7-2904			
21. Signature of Importer of Record Vin Sweetward Date: May 30, 2014							
Part II: To Be Compl	eted by U.S. Environmental Protect	ion Agency	-1				
Action to be taken by U.S. Customs and Border Protect	ion:						
	elease shipment to consignee under b spection.	ond. Shipment r	nust be h	neld intact pending			
Other. (Specify)							
Remarks:							
ignature and Title of EPA Official: Date:							
TEPA Official.							
	pleted by U.S. Customs and Border F						
The information shown in Part I was compared with the was handled as instructed by EPA in Part II. Any deviates s	ne entry papers for this shipment and ions should be brought to the attentic hould be noted in "Remarks."	no discrepancies on of EPA before	releasing	oted. The shipment g the shipment and			
Remarks:							
Signature of District							
Director of Customs:		ı	Date:				

Paperwork Reduction Act Notice: The estimated average time to read the instructions and complete this form is 26 minutes. Send comments regarding the burden estimates or any other aspect of this collection of information to: Director, Collection Strategies Division, Office of Environmental Information (OEI), U.S. Environmental Protection Agency (Mail Code 2822), 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include OMB number 2070-0020 in any correspondence.

For Manufacturing Use and Repackaging into Herbicide End-Use Products Only

MANOR® SELECTIVE HERBICIDE-**Bulk Product**

ACTIVE INGREDIENT:

OTHER INGREDIENTS: yl)amino]carbonyl]amino]sulfonyl]benzoate Metsulfuron Methyl: Methyl 2-[[[[(4-methoxy-6-methyl-1,3,5-triazin-2-

40.0%

100.0%

KEEP OUT OF REACH OF CHILDREN CAUTION

SEE BELOW FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300 For Medical Emergencies Only, Call (877) 325-1840

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

contaminated clothing before reuse. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wear long-sleeved shirt and long pants, socks, shoes, and gloves. Remove and wash

PERSONAL PROTECTIVE EQUIPMENT (PPE):

instructions for category A on an EPA chemical-resistance chart Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the

instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride. Follow manufacturers Keep and wash PPE separately from other laundry Applicators and other handlers must wear: Long-sleeved shirt and long pants, shoes, socks and chemical

USER SAFETY RECOMMENDATIONS

Users should: • Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
• Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean

		FIRST AID
IF ON SKIN OR	•	Take off contaminated clothing.
CLOTHING:	•	Rinse skin immediately with plenty of water for 15-20 minutes
	•	Call a poison control center or doctor for treatment advice
	•	Hold eye open and rinse slowly and gently with water for 15-20 minutes
IF IN EYES:	•	Remove contact lenses, if present, after the first 5 minutes, then continue rinsing
		еуе.
	•	Call a poison control center or doctor for treatment advice
		HOT LINE NIMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

Net Weight: 2 Ounces (56 Grams)

EPA REG. NO. 55146-134 EPA EST. NO. 82994-CHN-001

Product of China

ENVIRONMENTAL HAZARDS

product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters contact your State Water Board or Regional Office of the EPA

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling, READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the Agency responsible for pesticide regulation.

the following uses: This product is for use as a manufacturing concentrate for formulation or repackaging into end-use herbicides, for

- For use on Ornamental Turf, such as Lawns, Parks, Cemeteries, Golf Courses (Fairways, Aprons, Tees and Roughs) and similar turf areas.
- For use on Sod Farms

grower has complied with U.S. EPA data submission requirements regarding the support of such use(s) may be used to formulate products for any additional uses not listed on this label if the formulator, user group. This product may be used for experimental uses that are in compliance with US EPA requirements. This product user group, or

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal

pesticides, fertilizers, food and feed. Store in original container and out of the reach of children, preferably in a PESTICIDE STORAGE: Store in a cool, dry place and in such a manner as to prevent cross contamination with other locked storage area.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank. Fill the container half full with water and recap. Shake for 10 seconds. Pour

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESSINTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSCIULAR PURPOSE, USE, OR ELIGIBILITY OF USED IN COMBINATION WITH THE GOODS, OR THE MANUER OF SUCH FACTORS AS THE PRESENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANUER OF USE OR ASSICICE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANUER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUER OR USELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER AND NO SELLER AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER AND NO SELLER AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER AN WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FORE DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER RESULTING FROM OR BY REASON OF, OR RISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR TIS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYERS OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURERS OR SELLER TO BUYER. ALL SUCH LAW, BUYERS OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURERS OR SELLER TO BUYER. SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT

If you do not agree with or do not accept any of the directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Selier, and the purchase price will be refunded.

Manor is a registered trademark of Nufarm Americas Inc

(RV080913)REV1

Nufarm Americas Inc. -AGT Division 11901 S. Austin Avenue Manufactured for: Alsip, IL 60803





to the exceptions. Ilmitations, conditions and liberties set out on the reverse side hereof, to which the Shipper and/

or Consignee agrees to accepting his Bill of Lading.

RILL OF LADING

BBC FREIGHT LINE, INC. DATE

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CO., LTD 95 HUANYUAN N. ROAD, ECONOMIC DEVELOPMENT ZONE, JINTAN, JIANGSU 213200, CHINA				EXPORT REFERENCE			
NSIGNEE			FOD	WARDING AGENT-	DEEEDEMAG		
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CEANVESSEL	VOY NO.	PORT OF LOADING	OM	ARD INLAND ROUT	THE COLUMN		
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MARKS AND NUMBERS	NO OF CONTAINERS	PARTICU	ARS FURNISHED BY	SHIPPER			
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100CARTONS/1520KGS/896tGS/5. 733CBM 2H:1 800 424 9300/VIC SWETWOOD SWETWOOD CN:16108 2ERTIFIED NAME:LIQIN P AT HK 50CARTONS/830KGS/680KGS/2. 95(2) H:1 800 424 9300/VIC SWETWOOD CCN:16108 CERTIFIED NAME:LIQIN*			SWETWOOD	TREX RELEASE			
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PREPAID AT	PAYABLE AT	NO. OF ORIGI	NAL B(s)/L	PLACE OF B(a)	ALISSUE DA	TED	
				SHANGH/		MAY 28, 2014	
rocurement of pre-carriage fro oods as specified above in ap	ment between port of loading ar im place of receipt and on-carda parent good order and condition	ge to place of delivery, where st	nted above, the sods to be	sig		F three (3) original Bills ated above, one of which	of Lading have been in being accomplished the



Brighton Business Centre Brighton Place, OF1-8, 1* Floor Lot U0215, Jalan Bahasa 87000 Labuan F.T. Malaysia Telephone: +60 87 415802 Facsimile: +60 87 416802

27 May 2014

CERTIFICATE OF ORIGIN

TO WHOM IT MAY CONCERN,

We hereby certify that the RAPPORT TANKMIX and MANOR shipped under Bill of Lading number ZIMUSNH3604574 been manufactured in the Republic of China.

For and on behalf of NUFARM LABUAN Pte Ltd





Brighton Business Centre Brighton Place, OF1-8, 1st Floor Lot 10215, Jalan Bahasa 87000 Labuan F.T. Malaysia Telephone: +60 87 415802 Facsimile: +60 87 416802

PACKING LIST

Nufarm Americas Inc 11901 South Austin Avenue Alsip, IL 60803, U.S.A. No.

: 603635

Date

: 27 May 2014

Order ref. :

: 20224-1 & 21218

Description of Goods	Number of Packages	Net Weight	Gross Weight
RAPPORT TANKMIX	50 cartons	680 kg	830 kg
MANOR	400 cartons	896 kg	1,520 kg

Delivery:

By sea freight from Shanghai, China to Chicago Heights, IL, USA

Container / Seal No.:

FSCU3302662 / LLLC317160

Country of Origin:

China

Shipping Marks:

N/M

For and on behalf of NUFARM LABUAN PTE LTD

江苏省激素研究所股份有限公司

JIANGSU INSTITUTE OF ECOMONES CO., LTD

95 Huanyuan N. Road, Economic Development Zone, Jintan, Jiangsu, China TEL: 0086-519-82821700 FAX: 0086-519-82883308

FCL PACKING DECLARATION

Ship Name: PRAGUE EXPRESS Voyage Number: V.027E
Container or Bill Of Lading Number: FSCU3302662/ ZIMUSNH3604574
PROHIBITED PACKAGING MATERIAL STATEMENT (Such as Straw, Bamboo, Peat, Hay Chaff, used fruit and vegetable cartons etc.)
Have prohibited packaging materials or bamboo products been used as packaging or dunnage in the consignment covered by thi document
YES NO J
TIMBER PACKING (Timber packing includes: Crates, dunnage, pallets skids and any other timber used as a shipping aid.)
Has Timber packing been used in the consignment listed above?
YES ✓ NO
ISPM 15: Is all the timber packing marked with ISPM 15 compliant stamps
YES V
BARK (Bark is the external layer covering trees and branches.)
If timber packing is used, is it free from bark?
YES ✓ NO
If goods are not free of plastic wrapping does the plastic wrapping have holes in it to allow the fumigant to penetrate or was the plastic wrapping added after fumigation.
YES V NO NO
CONTAINER CLEANLINESS STATEMENT
The container(s) covered by this document has/have been cleaned and is/are free from material of animal and/or plant origin and soil.
JIANGSU INSTITUTE OF ECOMONES CO.,LTD
メ 3 繁 蕾
Signed: かじず, Date: MAY 23, 2014

<u>Dangerous Goods Transpo</u>	rt Document & Contain	er Packing Certifica	te
Booking Number: ZIMUSNH3604574	Exporters Reference:		
1st Vessel / Voyage: PRAGUE EXPRESS V.027E 2nd Vessel / Voyage:	Forwarders Reference :	Page 1 of	Pages
3rd Vessel / Voyage:			
4th Vessel / Voyage:	Shipper's Name & Address : LTD.	GSU INSTITUTE OF ECOMO	NES CO.
Place of Receipt: SHANGHAI		N.ROAD, ECONOMIC	
Port of Loading: SHANGHAI	DEVELOPMENT		
Transshipment Port 1:	JIANGSU 213200	, CHINA	
Transshipment Port 2:	0519-82821700	0.11	
Transshipment Port 3:	Consignee's Name NUFARM AMERI	& Address : CAS INC. (36-2071342)	
Port of Discharge: TACOMA	_11901 SOUTH AU		
Final Destination : CHICAGO	_ALSIP, IL 60803,		
Container Number & Type : FSCU3302662 &20GP		DD(TEL:708 757 2904)	
Seal Number :	NUFARM.IMPOR	RTS@US.NUFARM.COM	
Dangerous Goods Details :-			
Item: 1 UN number: 3077 SOLID ENVIR SOLID Base Chemical or	Shipping Name (1): ENVIRONMENTAI, N.O.S (Contains Thifensulfuron-Methy ONMENTALLY HARZARDOUS SUB, N.O.S (Contains Metsulfuron- Methyl)	l & Tribenuron-Methyl)	.:E,
Fumigant (If applicable): IMO Classification (2): 9	Outer Packaging (Number &	Type): 450CARTONS	
Packaging Group*:	Inner Packaging (Number &	1333	
m m	Type):	40 BOTTLES/CARTON	
Flashpoint (If 61 Deg C NO Marine Pollutant*	(If applicable) The second of		-
EMS Number :	Net Weight ((If applicable		1115555555
For containers under furnigation : Instructions for disposal to be attached) Date of furnigation :		mount of furnigant :	
For USA Only :- Reportable Quantity Weight (Kgs) : Weig	ht (Lbs): Net Explosive ((For explosive substa		
Poison Inhalation Hazard*: NO If Yes, Plea	se indicate Poison Inhalation Hazard Zo	A CONTRACTOR OF THE PARTY OF TH	
Emergency Contact Party: Chemtrec	And 24 hour Emergency Phon	1-800-424-9300 ACC#CCN16108	
Dangerous Goods Reference Number :	Local Category	(e.g. MPA Class):	
Delete as applicable. (1) Trade names not a	acceptable. (2) Secondary	classification also required, If applicable.	
For temperature controlle	ed Containers / Tanks :- Controlled / S	Set Temperature :	Deg C
224 327 9 20 20	Emergency T	emperature :	Deg C
Dangerous Goods Approval Authority :			
Shippers Declaration I hereby declare that the contents of this consignment and accurately described above by the Proper Shippin and are classified, packaged, marked and labeled/place are in all respects in proper condition for transport act the applicable international and national government regulations. This declaration must be completed, signed and dat consignor. JIANGSU INSTITUTED FROMONES : N	g Name, arded and cording to dangerous goods note & packed/loaded into the cowith the provisions of the 7.5.2.7.	goods described by this and any container packing certificate ha ontainer identified above in according to the EMDG Code paragraphs 5.4.2.	ve been rdance or person
	Signature of Declarant :		
fissing information may lead to container being rejected for	shipment.		

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:

MANOR® Selective Herbicide - Bulk Product

EPA Reg. No.:

Synonyms:

Metsulfuron Methyl: Methyl 2-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-ly)

amino]carbonyl]amino] sulfonyl]benzoate

Product Type:

Herbicide

Company Name:

Nufarm Americas Inc.-AGT Division

119011 S. Austin Avenue

Alsip, IL 60803

Telephone Numbers: For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident,

Call CHEMTREC Day or Night: 1-800-424-9300 For Medical Emergencies Only, Call 1-877-325-1840

Date of Issue:

August 16, 2013

Sections Revised:

New

Supersedes: New

2. HAZARDS IDENTIFICATION

Emergency Overview:

Appearance and Odor: Light brown granules with slight odor.

Warning Statements: Keep out of reach of children. CAUTION. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wear protective eyewear.

Potential Health Effects:

Likely Routes of Exposure: Inhalation, eye and skin contact. Eye Contact: Slightly irritating based on toxicity studies.

Skin Contact: Mildly toxic and non-irritating based on toxicity studies.

Ingestion: Slightly toxic based on toxicity studies.

Inhalation: Low inhalation toxicity.

Medical Conditions Aggravated by Exposure: Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

See Section 11: TOXICOLOGICAL INFORMATION for more information.

Potential Environmental Effects:

Metsulfuron-methyl is practically non-toxic to fish, birds and bees.

See Section 12: ECOLOGICAL INFORMATION for more information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT

Metsulfuron-methyl Other Ingredients Including:

Kaolin Clay and related minerals

CAS NO. 74223-64-6 % BY WEIGHT

60.0 40.0

1332-58-7



4. FIRST AID MEASURES

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

If in Eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

5. FIRE FIGHTING MEASURES

Flash Point: Not applicable

Autoignition Temperature: Not applicable Flammability Limits: Not applicable

Extinguishing Media: Use extinguishing media suitable for surrounding materials. Dry chemical, carbon dioxide, foam, water spray or fog.

Special Fire Fighting Procedures: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full fire-fighting turn out gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

Unusual Fire and Explosion Hazards: If water is used to fight fire, contain runoff, using dikes to prevent contamination of water supplies. Dispose of fire control water later.

Hazardous Decomposition Materials (Under Fire Conditions): May produce gases such as oxides of carbon, hydrogen, nitrogen and sulfur.

National Fire Protection Association (NFPA) Hazard Rating:

Rating for this product: Health: 1 Flammability: 1 Reactivity: 0

Hazards Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

Environmental Precautions: Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

Methods for Containment: Dike spill using absorbent or impervious materials such as earth, sand or clay. Collect and contain contaminated absorbent and dike material for disposal.

Methods for Cleanup and Disposal: If dry, sweep or scoop up material and place into container for disposal. If wet, pump any free liquid into an appropriate closed container. Decontaminate tools and equipment following cleanup. See Section 13: DISPOSAL CONSIDERATIONS for more information.

Other Information: Large spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

7. HANDLING AND STORAGE

Handling:

Avoid contact with skin, eyes or clothing. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Storage:

Store in a cool, dry place and in such a manner as to prevent cross-contamination with other pesticides, fertilizers, food and feed. Store in original container and out the reach of children, preferably in a locked storage area. Do not contaminate water, food, or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:

Where engineering controls are indicated by specific use conditions or a potential for excessive exposure, use local exhaust ventilation at the point of generation.

Personal Protective Equipment:

Eye/Face Protection: To avoid contact with eyes, wear chemical goggles or shielded safety glasses. An emergency eyewash or water supply should be readily accessible to the work area.

Skin Protection: To avoid contact with skin, wear long pants, long-sleeved shirt, socks, shoes and chemical-resistant gloves. An emergency shower or water supply should be readily accessible to the work area.

Respiratory Protection: Not normally required. If vapors or mists exceed acceptable levels, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for use against pesticides.

General Hygiene Considerations: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored; 2) wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using the toilet.

Exposure Guidelines:

	OSHA		ACGIH			
Component	TWA	STEL	TWA	STEL	Unit	
Metsulfuron Methyl	NE	NE	NE	NE		
Kaolin Clay	15 (T) 5 (R)	NE	2.0 (R)	NE	mg/m ³	

T = Total Dust

R = Respirable Fraction

NE = Not Established

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Light brown granules with slight odor.

Boiling Point:

Not applicable

Solubility in Water:

Dispersible

Density:

1.398 g/ml

Specific Gravity:

Not applicable

Evaporation Rate:

Not applicable

Vapor Density:

Not applicable

Freezing Point:

Not applicable

Vapor Pressure:

Not applicable

pH:

4.012

Viscosity:

Not applicable

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Note: Physical data are typical values, but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification.

10. STABILITY AND REACTIVITY

Chemical Stability: This material is stable under normal handling and storage conditions. Conditions to Avoid: Excessive heat. Do not store near heat, sparks and flames.

Incompatible Materials: None reasonably foreseeable.

Hazardous Decomposition Products: Under fire conditions may produce gases such as oxides of

carbon, hydrogen, nitrogen and sulfur.

Hazardous Reactions: Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicological Data:

Data from laboratory studies conducted on a similar, but not identical, formulation:

Oral: Rat LD₅₀: >5,000 mg/kg Dermal: Rabbit LD₅₀: >2,000 mg/kg Inhalation: Rat 4-hr LC₅₀: >5.3 mg/L Eye Irritation: Rabbit: Slightly irritating Skin Irritation: Rabbit: Non-irritating

Skin Sensitization: Not a contact sensitizer in guinea pigs following repeated skin exposure.

Subchronic (Target Organ) Effects: Repeated overexposure to metsulfuron-methyl may cause decreased body weight gain and decreased liver weights.

Carcinogenicity / Chronic Health Effects: Prolonged overexposure to metsulfuron-methyl may cause body weight loss. There was no evidence of carcinogenicity in animal studies using metsulfuron-methyl. Inhalation of excessive amounts of kaolin dust may produce coughing, sneezing and nasal irritation.

Reproductive Toxicity: Animal tests with metsulfuron-methyl have not demonstrated reproductive effects.

Developmental Toxicity: Animal tests with metsulfuron-methyl have not demonstrated developmental effects.

Genotoxicity: There have been some positive and negative studies, but the weight of evidence is that metsulfuron-methyl is not mutagenic.

Assessment Carcinogenicity: None listed with ACGIH, IARC, NTP or OSHA.

See Section 2: HAZARDS IDENTIFICATION for more information.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Data on Metsulfuron-methyl technical:

48-hour EC ₅₀ Daphnia: >150 mg/l Mallard Mallard	ite Quail 8-day Dietary LC_{50} : >5,620 ppm I Duck 8-day Dietary LC_{50} : >5,620 ppm I Duck Oral LD_{50} : >2,510 mg/kg Bee Contact LD_{50} : >25 ug/bee
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Environmental Fate:

Metsulfron-methyl is relatively mobile in most soils, but will be retained longer in soils with higher percentages of organic matter. It is more mobile in alkaline soils than in acidic soils. Metsulfuron-methyl will degrade faster under acidic conditions, and in soils with higher moisture contents and higher temperature. Metsulfuron-methyl is stable to photolysis, but will break down in ultraviolet light. Half-life

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estimates in soil range from 14 to 180 days, with an average of 30 days. Metsulfuron-methyl is stable to hydrolysis at neutral and alkaline pHs. The estimated half-life in acidic water is 3 weeks.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Handling and Disposal:

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/2 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

14. TRANSPORTATION INFORMATION

Follow the precautions indicated in Section 7: HANDLING AND STORAGE of this MSDS.

DOT

Non Regulated

IMDG

UN 3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, NOS, (METSULFURON-METHYL), 9, III, MARINE POLLUTANT

IATA

Non Regulated

15. REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA Inventory: This product is exempted from TSCA because it is solely for FIFRA regulated use.

SARA Hazard Notification/Reporting:

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370): Immediate

Section 313 Toxic Chemical(s):

None

Reportable Quantity (RQ) under U.S. CERCLA:

None

RCRA Waste Code:

None

State Information:

Other state regulations may apply. Check individual state requirements.

California Proposition 65: Not Listed

16. OTHER INFORMATION

This Material Safety Data Sheet (MSDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-ACCEPTED PRODUCT LABELING (attached to and accompanying the product container). This MSDS provides important health, safety and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of Federal law to use a pesticide product in any manner not prescribed on the EPA-accepted label.

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